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Data Sources:
* Value estimates obtained from the Riverside County Agricultural Commissioner’s Indio Office.
** Acreage estimates obtained from CVWD field crop surveys and Geographic Information Systems (GIS) imaging.
The image below is from CVWD’s new Geographic Information System (GIS) crop mapping software.
As Crop Reporter for the Coachella Valley Water District, I am pleased to submit the 2014 Crop Report. This report summarizes the estimated acreage and gross value of agricultural production within the Coachella Valley Water District Boundaries for the year 2014.

The values in this report represent the gross value for products and do not reflect costs associated with production, marketing, or transportation. No attempt has been made to reflect the net income, profit, or loss to producers.

The 2014 gross production was valued at, $730,487,227 which represents a 9% increase over the 2013 value of $668,745,364. Gross farmed acreage (primary and secondary) is 66,431; a 1% increase over last year's total of 65,745.

Coachella Valley Water District provides canal water for seasonal vegetables and permanent crops such as bearing and non-bearing date trees, grapes, figs, mangoes, peaches, and various citrus varieties. Canal water is also used for smaller-yield crops such as eggplant, okra and squash. Other uses of canal water include irrigation for polo fields and golf courses, to maintain wetland areas such as duck ponds, and to protect the ground water basin from excessive overdraft.

For 2014 the District has expanded its use of GIS software to more effectively identify crops and accurately measure crop acreage in the field. GIS has become an essential part of the Crop Report's data gathering methods.

I would like to express great appreciation to the Riverside County Agricultural Commissioner's office in Indio for all their help with information on crop yields and valuations, and to my fellow employees who contributed to this report; their help has been invaluable.

Sincerely,

Christopher K. Thomas
Crop Reporter
## 2014 Crop Values and Accumulated Values

<table>
<thead>
<tr>
<th>Crop Description</th>
<th>Value</th>
<th>%</th>
<th>Value</th>
<th>%</th>
</tr>
</thead>
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<td>$131,852,825</td>
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<tr>
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<td>80,128,574</td>
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<tr>
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<td><strong>Mangoes</strong></td>
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<td><strong>Hay - Alfalfa</strong></td>
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<td><strong>Fig</strong></td>
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<td><strong>Cabbage</strong></td>
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$730,487,227 100.0

Accumulated Values
### 2014

**Acreage and Accumulated Acreage**

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<th>Acres</th>
<th>%</th>
<th>Accumulated</th>
<th>%</th>
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<td>7,802</td>
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<tr>
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<tr>
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<td>Fig</td>
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N/B = Non-bearing
## 5-Year History for Crops by Value

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<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
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<td>Lemon-Lime</td>
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<td>$97,526,795</td>
<td>$72,197,988</td>
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<td>$87,891,750</td>
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<td>Golf Course</td>
<td>$48,178,373</td>
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<tr>
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<td>$21,769,223</td>
<td>$11,172,176</td>
<td>$24,836,167</td>
<td>$41,500,003</td>
<td>$28,023,774</td>
</tr>
<tr>
<td>Strawberries</td>
<td>$3,832,539</td>
<td>$11,344,614</td>
<td>$16,126,662</td>
<td>$27,528,540</td>
<td>$26,125,700</td>
</tr>
<tr>
<td>Carrots</td>
<td>$11,274,135</td>
<td>$12,967,920</td>
<td>$16,841,370</td>
<td>$11,750,390</td>
<td>$21,756,480</td>
</tr>
<tr>
<td>Oriental Vegetables</td>
<td>$19,176,451</td>
<td>$14,352,086</td>
<td>$8,360,110</td>
<td>$21,628,343</td>
<td>$19,430,400</td>
</tr>
<tr>
<td>Top Ten Crops</td>
<td><strong>$367,921,445</strong></td>
<td><strong>$418,232,398</strong></td>
<td><strong>$428,687,929</strong></td>
<td><strong>$502,816,560</strong></td>
<td><strong>$552,997,549</strong></td>
</tr>
<tr>
<td>Other Crops</td>
<td>$111,181,162</td>
<td>$126,748,500</td>
<td>$147,589,041</td>
<td>$165,928,804</td>
<td>$177,489,677</td>
</tr>
<tr>
<td>All Crops Combined</td>
<td><strong>$479,102,608</strong></td>
<td><strong>$544,980,898</strong></td>
<td><strong>$576,276,970</strong></td>
<td><strong>$668,745,364</strong></td>
<td><strong>$730,487,227</strong></td>
</tr>
</tbody>
</table>

### All Crops Combined

**U.S. Dollars**

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
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<tbody>
<tr>
<td>$450,000,000</td>
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<td></td>
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<tr>
<td>$500,000,000</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>$550,000,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$600,000,000</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>$650,000,000</td>
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<tr>
<td>$700,000,000</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$750,000,000</td>
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<td></td>
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</tbody>
</table>

Bees used to aide in pollination of watermelons
Bell Peppers

- 2010: $69,770,257
- 2011: $97,526,795
- 2012: $72,197,988
- 2013: $79,111,747
- 2014: $87,891,750

Golf Course

- 2010: $48,178,373
- 2011: $57,085,336
- 2012: $47,796,210
- 2013: $60,508,404
- 2014: $80,128,574

Bell pepper seedlings ready for transplant
5-Year History for Crops by Acreage

<table>
<thead>
<tr>
<th>Crop Description</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grapes</td>
<td>8387</td>
<td>8208</td>
<td>7497</td>
<td>7992</td>
<td>7802</td>
</tr>
<tr>
<td>Dates</td>
<td>8503</td>
<td>7721</td>
<td>7600</td>
<td>7600</td>
<td>7765</td>
</tr>
<tr>
<td>Golf Course</td>
<td>5299</td>
<td>5393</td>
<td>5775</td>
<td>5637</td>
<td>6007</td>
</tr>
<tr>
<td>Bell Peppers</td>
<td>5037</td>
<td>5464</td>
<td>4899</td>
<td>4558</td>
<td>4490</td>
</tr>
<tr>
<td>Carrots</td>
<td>1879</td>
<td>1992</td>
<td>2587</td>
<td>3141</td>
<td>3930</td>
</tr>
<tr>
<td>Lemon-Lime</td>
<td>4191</td>
<td>4215</td>
<td>3983</td>
<td>4014</td>
<td>3887</td>
</tr>
<tr>
<td>Lettuce</td>
<td>3449</td>
<td>3795</td>
<td>3999</td>
<td>3823</td>
<td>3234</td>
</tr>
<tr>
<td>Orange-Tangerine</td>
<td>2769</td>
<td>2537</td>
<td>2235</td>
<td>2096</td>
<td>2241</td>
</tr>
<tr>
<td>Oriental Vegetables</td>
<td>1890</td>
<td>1835</td>
<td>2064</td>
<td>2306</td>
<td>2112</td>
</tr>
<tr>
<td>Potatoes</td>
<td>1109</td>
<td>714</td>
<td>1168</td>
<td>1402</td>
<td>1636</td>
</tr>
<tr>
<td><strong>Top Ten Crops</strong></td>
<td><strong>42513</strong></td>
<td><strong>41874</strong></td>
<td><strong>41807</strong></td>
<td><strong>42569</strong></td>
<td><strong>43104</strong></td>
</tr>
<tr>
<td>Other Crops</td>
<td>20231</td>
<td>21035</td>
<td>23774</td>
<td>23176</td>
<td>23327</td>
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</table>

**All Crops Combined**

<table>
<thead>
<tr>
<th></th>
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<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acres</td>
<td>62744</td>
<td>62909</td>
<td>65581</td>
<td>65745</td>
<td>66431</td>
</tr>
</tbody>
</table>

Multi-cropped dates & eggplant
### Grapes

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acres</td>
<td>8387</td>
<td>8208</td>
<td>7497</td>
<td>7992</td>
<td>7802</td>
</tr>
</tbody>
</table>

### Dates

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acres</td>
<td>8503</td>
<td>7721</td>
<td>7600</td>
<td>7600</td>
<td>7765</td>
</tr>
</tbody>
</table>
Golf Course

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acres</td>
<td>5299</td>
<td>5393</td>
<td>5775</td>
<td>5637</td>
<td>6007</td>
</tr>
</tbody>
</table>

Bell Peppers

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acres</td>
<td>5037</td>
<td>5464</td>
<td>4899</td>
<td>4558</td>
<td>4490</td>
</tr>
</tbody>
</table>

Golf course at SilverRock
2014 Top Ten Crops by Value

Grapes
Lemon-Lime
Bell Peppers
Golf Course
Dates
Lettuce
Nursery-Trees
Strawberries
Carrots
Oriental Vegetables

2014 Top Ten Crops by Acreage

Grapes
Dates
Golf Course
Bell Peppers
Carrots
Lemon-Lime
Lettuce
Orange-Tangerine
Oriental Vegetables
Potatoes
2014 Total Canal Water Usage

- January: 20291.6 Acre Feet
- February: 20911.6 Acre Feet
- March: 26993.1 Acre Feet
- April: 33203.6 Acre Feet
- May: 33230.0 Acre Feet
- June: 34106.7 Acre Feet
- July: 37309.9 Acre Feet
- August: 34897.9 Acre Feet
- September: 29600.1 Acre Feet
- October: 28312.0 Acre Feet
- November: 26803.5 Acre Feet
- December: 21022.7 Acre Feet

Lettuce Harvest
Squash Blossoms

Pasture
## COACHELLA VALLEY WATER DISTRICT
Service Department - Zanjero Section
CROP AND WATER DATA
Year 2014

### SECTION I - DISTRICT INFORMATION
- Region LC
- IDCON: 304560
- Cong. Dist: 36th
- Project: Boulder Canyon Project
- Division: Coachella Division
- Unit: NA
- Water District: Coachella Valley Water District
- State: CA
- Counties: Riverside
- Contact Person: Chris Thomas
- Telephone: (760)398-2661 Ext. 2629

### SECTION II - DISTRICT LANDS IN AN IRRIGATION ROTATION
- Type of Service: Full
- Commercial Acres: 54,863
- Non-commercial Acres: 1,919
- Multi-cropped Acres: 8,118
- Total District Acres: 137,416
- Irrigable Acres: 76,354
- Contact Person: Chris Thomas

### SECTION III - CROP PRODUCTION

#### CEREALS
<table>
<thead>
<tr>
<th>Crops</th>
<th>Acres</th>
<th>Unit</th>
<th>Yield</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley (feed)</td>
<td>50</td>
<td>Bu</td>
<td>54 Rice</td>
<td>0.75 Cwt</td>
</tr>
<tr>
<td>Barley (malt)</td>
<td>51</td>
<td>Bu</td>
<td>56 Sorghums (sorgo, kaffir, milo, etc.)</td>
<td>1,919 Cwt</td>
</tr>
<tr>
<td>Corn</td>
<td>52</td>
<td>Bu</td>
<td>57 Wheat</td>
<td>8,118 Cwt</td>
</tr>
<tr>
<td>Oats</td>
<td>53</td>
<td>Bu</td>
<td>58 Other Cereals (specify)</td>
<td>8,118 Cwt</td>
</tr>
</tbody>
</table>

#### FORAGE
<table>
<thead>
<tr>
<th>Crops</th>
<th>Acres</th>
<th>Unit</th>
<th>Yield</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa hay</td>
<td>61</td>
<td>Ton</td>
<td>1,500 AUM</td>
<td>8.75 13,125.0 Cwt</td>
</tr>
<tr>
<td>Other hay (Sudan)</td>
<td>62</td>
<td>Ton</td>
<td>61</td>
<td>552.00 Cwt</td>
</tr>
<tr>
<td>Irrigated pasture</td>
<td>63</td>
<td>Ton</td>
<td>1,500</td>
<td>7,462 Ton</td>
</tr>
</tbody>
</table>

#### MISCELLANEOUS FIELD CROPS
<table>
<thead>
<tr>
<th>Crops</th>
<th>Acres</th>
<th>Unit</th>
<th>Yield</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beans, dry and edible</td>
<td>81</td>
<td>Cwt</td>
<td>86 Hops</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Cotton: Lint (Upland)</td>
<td>82</td>
<td>Lb</td>
<td>87 Mints</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Cotton: Seed (Upland)</td>
<td>83</td>
<td>Ton</td>
<td>90 Soybeans</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Cotton: Lint (American-Pima)</td>
<td>84</td>
<td>Lb</td>
<td>89 Sugar beets</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Cotton: Seed (American-Pima)</td>
<td>85</td>
<td>Ton</td>
<td>91 Other field crops (specify)</td>
<td>1,887,705 Cwt</td>
</tr>
</tbody>
</table>

#### VEGETABLES
<table>
<thead>
<tr>
<th>Crops</th>
<th>Acres</th>
<th>Unit</th>
<th>Yield</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asparagus</td>
<td>101</td>
<td>Cwt</td>
<td>117 Onions, dry</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Beans, (processing)</td>
<td>102</td>
<td>Ton</td>
<td>118 Onions, green</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Beans, (fresh market)</td>
<td>103</td>
<td>Cwt</td>
<td>119 Peas, green (processing)</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Broccoli</td>
<td>104</td>
<td>Cwt</td>
<td>120 Peas, green (fresh market)</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Cabbage</td>
<td>105</td>
<td>Cwt</td>
<td>121 Peppers (all kinds)</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Carrots</td>
<td>106</td>
<td>Cwt</td>
<td>122 Potatoes, early</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>107</td>
<td>Cwt</td>
<td>124 Squash</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Celery</td>
<td>108</td>
<td>Cwt</td>
<td>125 Tomatoes (canning)</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Corn, sweet (processing)</td>
<td>109</td>
<td>Cwt</td>
<td>126 Tomatoes (fresh market)</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Corn, sweet (fresh market)</td>
<td>110</td>
<td>Ton</td>
<td>127 Other vegetables (specify) artichoke</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Cucumbers</td>
<td>111</td>
<td>Cwt</td>
<td>128 Radishes</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Greens, (b. choy spinach, O. veg. etc.)</td>
<td>112</td>
<td>Cwt</td>
<td>129 Okra</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Lettuce</td>
<td>113</td>
<td>Cwt</td>
<td>130 Radishes</td>
<td>1,887,705 Cwt</td>
</tr>
<tr>
<td>Okra</td>
<td>111</td>
<td>Cwt</td>
<td>131 Spices</td>
<td>1,887,705 Cwt</td>
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</table>
## CROP PRODUCTION CONTINUED

<table>
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<th>a. CROPS</th>
<th>b. ACRES</th>
<th>c. UNIT</th>
<th>d. YIELD</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>PER ACRE</strong></td>
</tr>
<tr>
<td><strong>NURSERY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>137 Total nursery (show yield in dollars)</td>
<td>1,516</td>
<td>21044.5</td>
<td>31,903,462</td>
</tr>
<tr>
<td>138 Fish farm</td>
<td>165</td>
<td>Ton</td>
<td>6.40</td>
</tr>
<tr>
<td>139 Duck ponds</td>
<td>762</td>
<td>Lb</td>
<td>4.40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>a. CROPS</th>
<th>b. ACRES</th>
<th>c. UNIT</th>
<th>d. YIELD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>PER ACRE</strong></td>
</tr>
<tr>
<td><strong>SEED CROPS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>141 Alfalfa</td>
<td>Lb</td>
<td>146</td>
<td>Onion</td>
</tr>
<tr>
<td>142 Clover</td>
<td>Lb</td>
<td>147</td>
<td>Pea</td>
</tr>
<tr>
<td>143 Corn</td>
<td>Lb</td>
<td>148</td>
<td>Potato</td>
</tr>
<tr>
<td>144 Grass</td>
<td>Lb</td>
<td>149</td>
<td>Sugar beet</td>
</tr>
<tr>
<td>145 Lettuce</td>
<td>Lb</td>
<td>150</td>
<td>Other seed, (specify)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>a. CROPS</th>
<th>b. ACRES</th>
<th>c. UNIT</th>
<th>d. YIELD</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>PER ACRE</strong></td>
</tr>
<tr>
<td><strong>FRUITS</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>161 Apples</td>
<td>Lb</td>
<td>165</td>
<td>Grapefruit</td>
</tr>
<tr>
<td>162 Apricots</td>
<td>Ton</td>
<td>115</td>
<td>Honey Ball, Honeydew, ect.</td>
</tr>
<tr>
<td>158 Avocados</td>
<td>Ton</td>
<td>166</td>
<td>Lemons and Limes</td>
</tr>
<tr>
<td>163 Berries.</td>
<td>Lb</td>
<td>171</td>
<td>Olives</td>
</tr>
<tr>
<td>114 Cantaloupe</td>
<td>Cwt</td>
<td>167</td>
<td>Oranges and Tangerines</td>
</tr>
<tr>
<td>164 Cherries</td>
<td>Ton</td>
<td>172</td>
<td>Peaches</td>
</tr>
<tr>
<td>168 Dates</td>
<td>7,765</td>
<td>Ton</td>
<td>2.33</td>
</tr>
<tr>
<td>159 Figs</td>
<td>158</td>
<td>Ton</td>
<td>8.40</td>
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<tr>
<td>169 Grapes, table</td>
<td>7,802</td>
<td>Ton</td>
<td>7.94</td>
</tr>
<tr>
<td>176 Grapes, raisin</td>
<td>Ton</td>
<td>116</td>
<td>Watermelon</td>
</tr>
<tr>
<td>177 Grapes, wine</td>
<td>Ton</td>
<td>175</td>
<td>Other fruits (specify)</td>
</tr>
<tr>
<td>170 Grapes, other</td>
<td>Ton</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>a. CROPS</th>
<th>b. ACRES</th>
<th>c. UNIT</th>
<th>d. YIELD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>PER ACRE</strong></td>
</tr>
<tr>
<td><strong>NUTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>181 Almonds</td>
<td>Lb</td>
<td>183</td>
<td>Walnuts</td>
</tr>
<tr>
<td>182 Pecans</td>
<td>Lb</td>
<td>184</td>
<td>Other nuts (specify)</td>
</tr>
<tr>
<td>180 Pistachios</td>
<td>Lb</td>
<td></td>
<td></td>
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## SECTION IV - MONTHLY WATER DISTRIBUTION

<table>
<thead>
<tr>
<th>(a) TYPE OF IRRIGATION SERVICE</th>
<th>(b) MONTH</th>
<th>(c) WATER SUPPLY</th>
<th>(d) OPERATIONAL SPILLS</th>
<th>(e) TRANSPORTATION LOSSES</th>
<th>(f) NON-AGRICULTURAL DELIVERIES (1) M&amp;I (2) Wildlife (3) Misc.</th>
<th>(g) DELIVERED TO FARMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>201 January</td>
<td>20,291.6</td>
<td>461.9</td>
<td>959.5</td>
<td>3,302.4</td>
<td>208.5</td>
<td>186.0</td>
</tr>
<tr>
<td>202 February</td>
<td>20,911.6</td>
<td>451.2</td>
<td>328.5</td>
<td>2,570.3</td>
<td>228.9</td>
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### 2. NONPROJECT WATER (Acre-Feet)

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